Performance Data Sheet

AJA7455ZXA

General Information

Model	AJA7455ZXA	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-10	Btu/h	4790	3860	3050	2310	1640	1020	407
	Watts	724	708	670	616	551	481	411
	Amps	6.43	7.36	7.63	7.41	6.89	6.25	5.66
	Lb/h	85.6	72.4	61.5	51.3	40.8	28.6	13.5
-5	Btu/h	5280	4390	3590	2880	2220	1590	979
	Watts	752	764	753	726	687	644	600
	Amps	6.71	7.76	8.17	8.11	7.75	7.28	6.88
	Lb/h	97.8	85.1	74.6	65.0	55.1	43.6	29.1
0	Btu/h	5900	5020	4220	3490	2820	2170	1530
	Watts	773	808	821	817	801	780	758
	Amps	6.99	8.15	8.68	8.74	8.53	8.21	7.97
	Lb/h	111	98.5	88.3	79.1	69.6	58.5	44.5
5	Btu/h	6660	5750	4920	4170	3450	2760	2070
	Watts	791	846	879	893	896	893	889
	Amps	7.28	8.53	9.16	9.34	9.25	9.07	8.97
	Lb/h	125	113	103	93.9	84.6	73.7	60.1
10	Btu/h	7530	6580	5710	4890	4110	3350	2580
	Watts	810	881	929	959	977	988	998
	Amps	7.61	8.93	9.64	9.91	9.92	9.86	9.89
	Lb/h	142	129	119	110	101	89.8	76.3
15	Btu/h	8540	7510	6560	5660	4790	3930	3060
	Watts	835	918	977	1020	1050	1070	1090
	Amps	7.98	9.36	10.1	10.5	10.6	10.6	10.7
	Lb/h	160	147	137	127	118	107	93.4
20	Btu/h	9660	8540	7490	6480	5500	4520	3520
	Watts	869	960	1030	1080	1110	1140	1160
	Amps	8.42	9.83	10.6	11.0	11.2	11.3	11.5
	Lb/h	181	167	156	147	137	126	112
25	Btu/h	10900	9670	8490	7350	6230	5100	3950
	Watts	918	1010	1080	1130	1170	1200	1230
	Amps	8.94	10.4	11.2	11.6	11.8	12.0	12.3
	Lb/h	204	190	179	168	158	146	132

30	Btu/h	12300	10900	9560	8260	6970	5680	4350
	Watts	984	1080	1150	1200	1230	1260	1290
	Amps	9.56	11.0	11.8	12.3	12.5	12.7	13.0
	Lb/h	231	216	204	193	182	169	154

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.885629E+04	-1.011633E+03	-4.675283E+01	4.443883E+02
C2	1.032976E+02	-3.427795E+01	-2.111130E-02	2.850373E+00
C3	-2.522475E+02	4.574974E+01	1.379553E+00	-8.298541E+00
C4	6.549994E+00	5.852263E-01	3.458490E-03	5.695451E-02
C5	9.502167E-01	5.080752E-01	7.646628E-05	-5.294214E-03
C6	1.410840E+00	-3.685407E-01	-1.122926E-02	6.863091E-02
C7	-2.786249E-03	5.593425E-03	2.077914E-05	5.142807E-04
C8	-4.974173E-02	-8.024268E-03	-3.891277E-05	-3.812161E-04
C9	-6.511442E-03	-4.127311E-04	1.120251E-05	4.988616E-05
C10	-3.520813E-03	9.433000E-04	2.976760E-05	-2.125548E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature